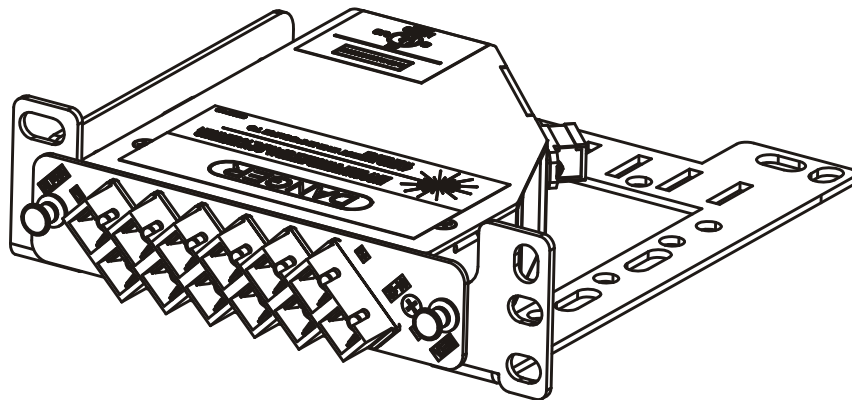


Universal Mounting Bracket (UMB)

General

The universal mounting bracket offers multiple mounting options for MPO Preterminated modules and MPO panels. The universal mounting bracket (UMB) (**SYSTIMAX**[®] Material ID 760072231/**Uniprise**[®] Part No. 9703932/00) offers multiple mounting options for MPO preterminated modules and MPO panels.



How to Contact Us

- To find out more about **CommScope**[®] Solutions, visit us on the web at <http://www.commscope.com/>
- For customer support regarding **CommScope** products, contact your local account representative or call 1-800-544-1948 or (828) 459-5000.

Tools Required

- Phillips head screwdriver
- Lint free tissue
- Isopropyl alcohol

Optional Tools

- 760053199 Fiber optic cleaning and inspection kit
- 760053207 Fiber optic cleaning and consumables kit

Parts List

Verify parts against parts list below:

Quantity	Description
1	Bracket assembly
1	Fiber management kit
4	Mounting screws
1	Instruction sheet

Precautions

- MPO Preterminated modules contain fiber optic cable and passive optical components. When removed from protective packing, they should be handled carefully and installed in appropriate racks for mechanical support and protection.
- MPO Preterminated modules require virtually no maintenance to maintain their performance. They contain no user-serviceable components, and any damage to the anti-tamper label or removal of top cover or front adapter mounting panel will void the warranty.
- Fiber optic trunk cable and jumper performance is sensitive to bending, pulling, and crushing. Minimum bend radii must be maintained during installation per the manufacturer's specification. Appropriate pulling grips must be used during installation, and pulling forces shall not exceed manufacturer's recommendations. Use caution to avoid kinking trunk cables.
- Care should be taken not to compromise the stability of the rack by installation of this equipment.
- To be installed in restricted access areas only.

Cautions

- Isopropyl Alcohol is flammable, and can cause eye irritation on contact. If eye contact occurs, flush with water for at least 15 minutes. In case of ingestion, consult a physician. Use only in well ventilated areas
- Disconnected optical components may emit invisible optical radiation that can damage your eyes. Never look directly into an optical component that may have a laser coupled to it. Serious and permanent retinal damage is possible. If accidental exposure to laser radiation is suspected, consult a physician for an eye examination.
- Wearing safety glasses during installation of this shelf is recommended. Although standard safety glasses provide no protection from potential optical radiation, they offer protection from accidental airborne hardware and cleaning solvents.

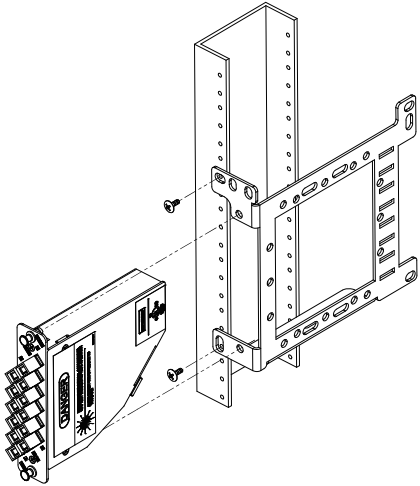
Connector Cleaning

- MPO Preterminated modules are pre-terminated, with protective dust caps installed on all adapters. Connectors internal to the adapters are clean when purchased.
- Clean trunk cable and jumper connectors per manufacturer's recommendations prior to connection to the shelf.
- If trunk cables or jumpers are removed, replace provided dust caps on the adapters to protect the internal connectors.

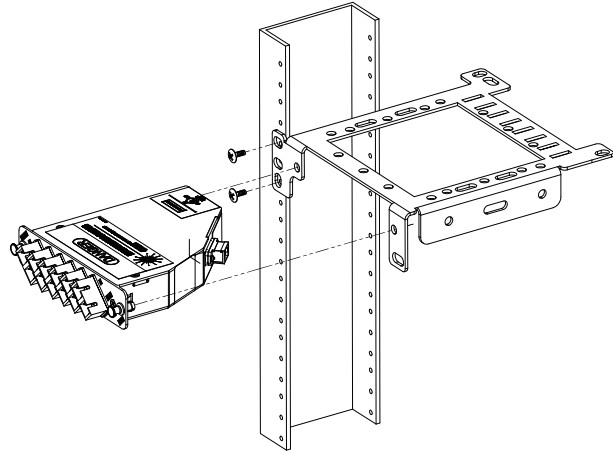
Step 1 – Mount Universal Mounting Bracket (UMB)

Note: Screws are supplied only for rack mounting the UMB. Obtain sheet metal or wood screws (#10 x 1") to mount the UMB to a ceiling or wall.

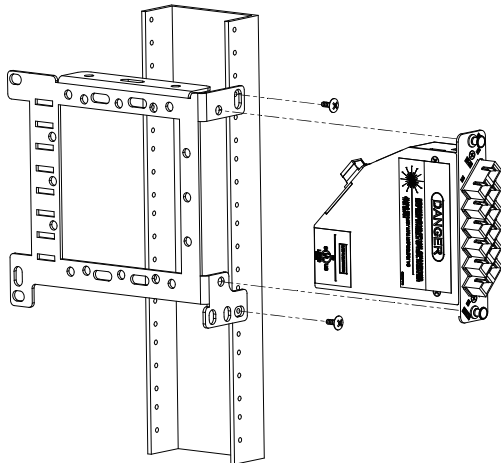
1. Using screws, mount the UMB to a rack, ceiling or wall (cabinet), or mount two UMBs side-by-side on a rack. See the appropriate figure on pages 4 and 5 for mounting the UMB.



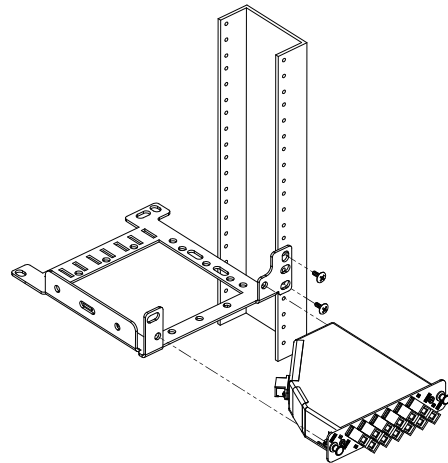
Rack Mount – Left Side



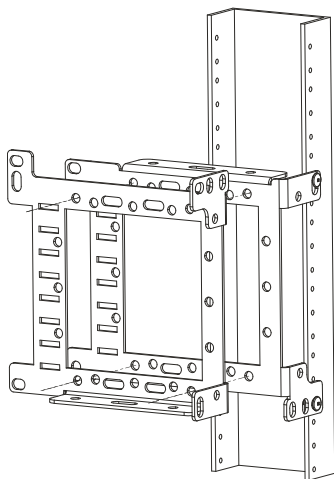
Rack Mount – Left Side 90°



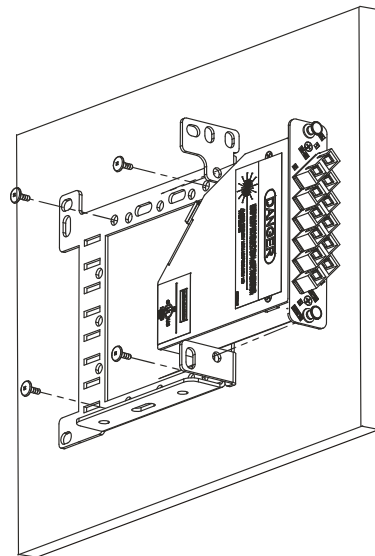
Rack Mount – Right Side



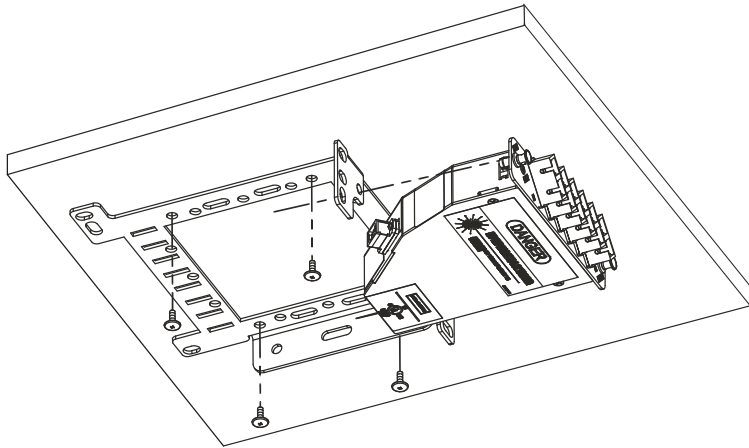
Rack Mount – Right Side 90°



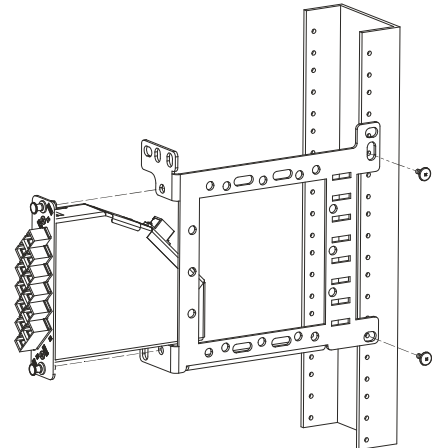
Rack Mount – Side-by-side



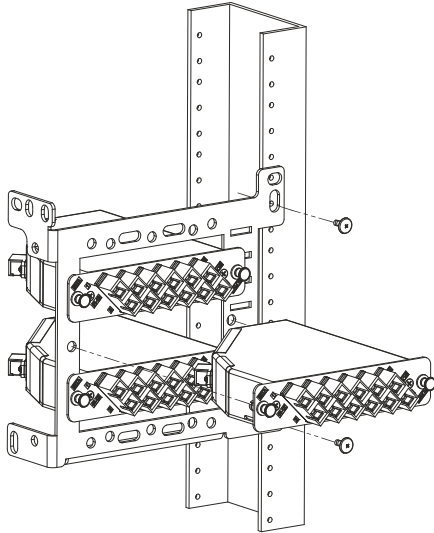
Wall Mount – 4 Screws



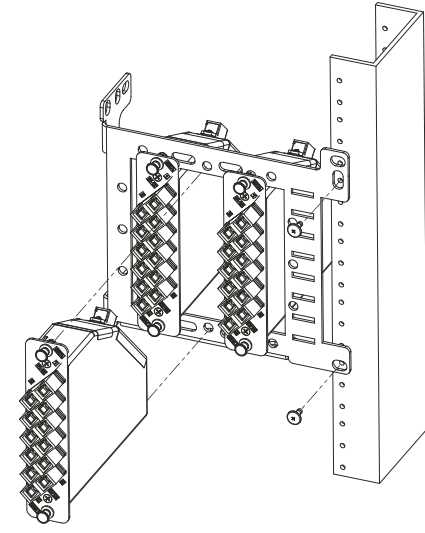
Ceiling Mount – 4 Screws



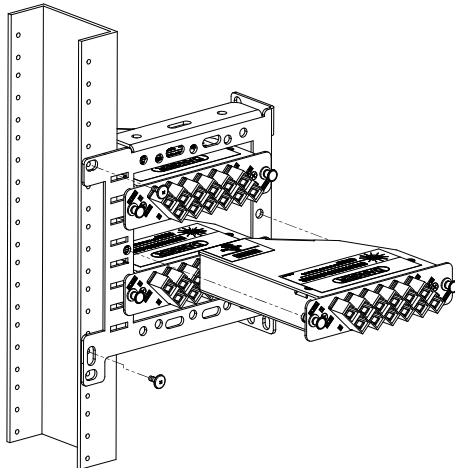
Rack Mount – Parallel to Rack



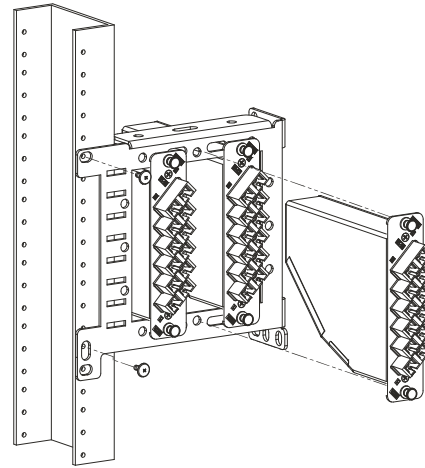
**Rack Mount – Three Modules
Horizontally Inside Rail**



**Rack Mount – Three Modules
Vertically Inside Rail**



**Rack Mount – Three Modules
Horizontally Outside Rail**



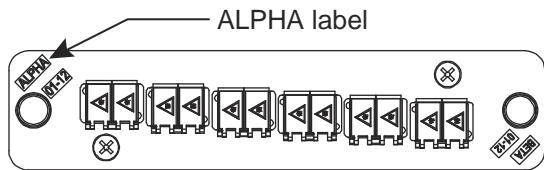
**Rack Mount – Three Modules
Vertically Outside Rail**

Step 2 – Configure Modules

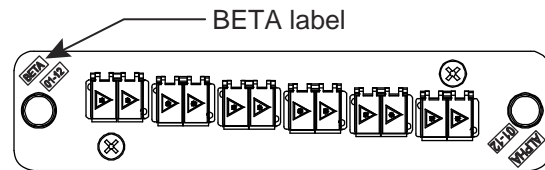
Note: MPO Preterminated modules **must** be configured as shown for proper polarity. Identical modules are used at both ends of trunk cable, but module orientation is inverted from end to end. Module at one end of trunk cable **must** be oriented in “ALPHA” configuration, while module at opposite end of trunk cable **must** be oriented in “BETA” configuration. If remote end of trunk cable terminates at MPO Preterminated high-density shelf (DS2-96LC-LS, DS2-96LC-SM, DS2-48SC-LS or DS2-48SC-SM), then the module **must** be similarly inverted from the shelf on opposite end of trunk cable.

1. Orient modules in the “ALPHA” or “BETA” configuration as shown in the figures below for installation in the UMB.

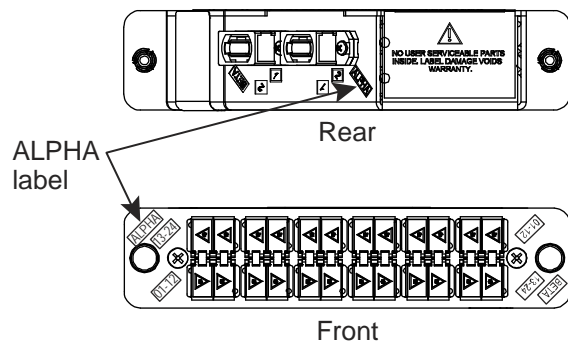
Note: If desired, loosely secure backbone cable assembly to the rear with hook and loop ties.



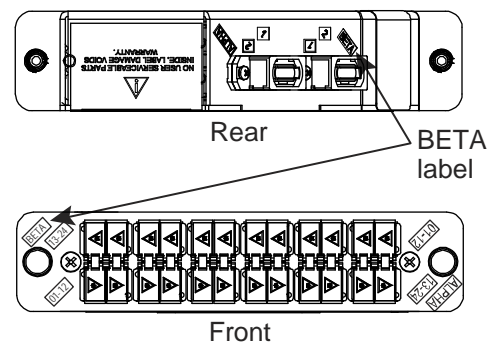
12-Port Module in ALPHA Configuration



12-Port Module in BETA Configuration



24LC-Module in ALPHA Configuration



24LC-Module in BETA Configuration